

## Product datasheet for **MG214169**

### **Prb1 (NM\_198669) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Prb1 (NM_198669) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prb1
Synonyms:	BC011176; Prpg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG214169 representing NM\_198669  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGTTGCTCCTGCTCACAGCAGCTTTGCTGGTCTGAGCTCAGCTCAGAGACAAGATGAAGAGATCA  
 CCTACGAAGACTCAAATTCTCAGCTCCTAGAGAGGGGAGAGAAGAGCCAAGGATATGGTCATCATTTTCC  
 AAAACCACCTCCTGGAGGAATGCCCCAAAGACCTCCCAGTTCTGATGAAAATAATGATGGTGATGAAGAT  
 GGCAGTGAGGAAGATGTGAATAGACCAGAGGGACCACCACAGCACCCCTCCTCACCCAGGACACCACCATG  
 GTCCTCCCAACAGGGAGGCCACAGGGTCCCCTAGGCCGGAAACCAACAAGGCCACCCCTCCAGG  
 CCCACCCACAGGGAAGCCCCAGCAGAGACCCCTCAGCTGGAAAACAACAAGGCCACCCACACAG  
 GGAGTTCTCAGGGACCCCTATGCCTGTAACCAACAAGGCCACCCCAAGGGAGGCCCCACAGCAA  
 GACCCCTCAGCTGGAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCCCTCAGCC  
 TGGAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCACCTCAGCTGGAAACAACA  
 GGCCACCTCTACATGGAGGTCTCAGAGACCCCTCAGCTGGAAACAACAAGGTCCACCCACAGG  
 GAGGCCCCAGCAGAGACCTCCTCAGCTGGAAACAACAAGGCCACACCCACAGGGAGGCCCTACAGG  
 ACCCCCTAGGCCTGGTAACCAACAAGGCCACCTCAAAGGGAGGTCTCAGAGACCCCTCAGCTGGA  
 TACCAACAAGGCCACCCACAGGGAGGTCTCAGGGACCCCTATGCCTGGAAACAACAAGGCCAC  
 CCCACAGGGAGGCCCTCAGCAGAGACCTCCTCAGCTGGAAACCAACAAGGCCCCACAGGGAGG  
 CCCCAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCACAGCAGAGACC  
 CCTCAGCTGGAAACAACAAGGCCACCTCAAAGGGAGGTCTCAGAGACCCCTCAGCTGGATACC  
 ACAAGGCCACCCACAGGGAGGTCTCAGGGACCCCTATGTCTGGAAACAACAAGGCCACCCCTC  
 ACAGGGAGGCCCTCAGCAGAGACCTCCTCAGCTGGAAACCAACAAGGCCCGTCCCACAGGGAGGCC  
 CAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCAGCAGAGACCCCTC  
 AGCCTGGAAACAACAAGGCCACCCCAACAGGGAGGCCCTCAGGGACCTCCTAGGCCTGGAAACCAGCA  
 AGGCCACCCACAGGGAGGCCCTCAGAGACCTTCTCAGCCAGGAAACCATCAAGGCCACCCACAGCAT  
 GGAAACAAGAACAGCCAATTACCTGTGGTCACTTTTTGCA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG214169 representing NM\_198669  
 Red=Cloning site Green=Tags(s)

MLVVLLTAALLVLSSAQRQDEEITYEDSNSQLLERGEKSQGYGHFHPKPPPGMPPRPPSSDENNDGDED  
 GSEEDVNRPEGPPQHPPHPGHHHGPPQQGGPQGPPRPGNQGGPPPPGPPQGGSPQQRPPQPGKQQGPPQ  
 GGSQGGPMPVNQQGPPPKGGPQQRPPQGNQQGPPPPQGGPQQRPPQGNQQGPPPPQGGPQQRPPQGNQQ  
 GPPLHGGPQRPPQGNQQGPPPPQGGPQQRPPQGNQQGPPHPQGGGLQGPPRPGNQGGPPKGGPQRPPQPG  
 YQQGPPPPQGGPQGPMPGNQQGPPPPQGGPQQRPPQGNQQGPPPPQGGPQGPMPRPGNQGGPPPPQGGPQQR  
 PQGNQQGPPPKGGPQRPPQPGYQQGPPPPQGGPQGPMSGNQQGPPPPQGGPQQRPPQGNQQGPPSPQGGP  
 QGPPRPGNQGGPPQGGPQQRPPQGNQQGPPPPQGGPQGPMPRPGNQGGPPPPQGGPQQRPSQPGNHQGGPPQH  
 GNKEQPNYLWSLFA

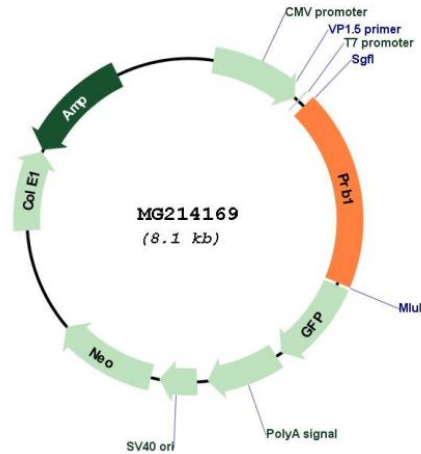
**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI



Plasmid Map:



ACCN: NM\_198669

ORF Size: 1512 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_198669.1](#), [NP\\_941071.1](#)

**RefSeq Size:** 1635 bp

**RefSeq ORF:** 1515 bp

**Locus ID:** 381833

**Cytogenetics:** 6 G1